HRD

reed engineering
GROUP
GEOTECHNICAL CONSULTANTS

June 11, 1992
Project No. 515.5

Texas Water Commission
Municipal Solid Waste Division
P.O. Box 13087
Austin, Texas 78711
ATTN: Mr. A. R. Smith

Re: Phase II Ground Water
Characterization Study
Garland Landfill (Permit No. 1062-A)
Garland, Texas

Gentlemen:

This is to confirm the consensus of our May 18, 1992 meeting regarding Phase II activities for the referenced project. All activities will be confined on the City of Garland property per Ken Smith.

In order to most effectively locate additional borings and monitor wells, and to evaluate the subsurface for evidence of leachate migration, the initial portion of the Phase II investigation will consist of resistivity surveys along the western (downgradient) property boundary. The resistivity surveys will consist of at least two profile lines; one along the property line, and one along the landfill boundary. Intermediate surveys may be performed, dependent upon the findings of the two initial profile lines. A profile line along the boundary between the landfill and the old burning dump is also recommended.

Two sets of borings will be drilled downgradient of Monitor Well MW-10. A third set will be drilled immediately upgradient of MW-10, and a fourth drilled adjacent to the old burning dump. All borings will be sampled continuously throughout their full depth in order to evaluate changes in geologic conditions. Permanent monitor wells will be installed in each of the borings in order to facilitate ground water sampling. Within each set, one well will be screened within the alluvials and one within the weathered Taylor Formation.

2424 STUTZ DRIVE ■ SUITE 400 ■ DALLAS, TEXAS 75235 ■ 214/350-5600 ■ (FAX) 214/350-0019

All wells will be sampled and analyzed for Groups 2 and 3, plus Total Organic Carbon (TOC). It is recommended that an additional water sample be collected from Rowlett Creek and analyzed for the same parameters.

Should you have any questions, or if you require additional information, do not hesitate to call.

Sincerely,

THE REED ENGINEERING GROUP

Ronald F. Reed, P.E.

FWS/RFR/aap

cc: City of Garland/Mr. Kenneth C. Smith